

Editors-in-Chief

G. Ausiello

TCS-A Univ. di Roma, *La Sapienza*, Dip. Inform. e Sistemistica via Salaria 113, 00198, Roma, Italy
Email: ausiello@dis.uniroma1.it

M.W. Mislove

ENTCS Tulane University, Department of Mathematics, New Orleans, LA 70118, USA
E-mail: mwm@math.tulane.edu

D. Sannella

TCS-B University of Edinburgh, Laboratory for Foundations of Computer Science, Division of Informatics, Kings' Building, Mayfield Road, Edinburgh, EH9 3JZ, UK
Email: dts@dcs.ed.ac.uk

Founding Editor

M. Nivat

Université de Paris VII, Laboratoire d'Informatique Algorithmique: Fondements et Applications, 10 Avenue des Chardonnerets, 95570 Attainville, France
Email: maurice.nivat@liafa.jussieu.fr

Honorary Board

C. Böhm

Università di Roma, *La Sapienza*, via S. Crescenziano 20, I-00199 Rome, Italy
Email: bohm@astrom.dnet.nasa

E. Engeler

ETH Zentrum, Department of Mathematics, CH-8092, Zürich, Switzerland
Email: engeler@math.ethz.ch

P. Flajolet

INRIA, Dom. de Voluceau-Rocquencourt, B.P. 105, F-78153 Le Chesnay Cedex, France
Email: philippe.flajolet@inria.fr

M.A. Harrison

University of California, Computer Science Division, 775 Soda Hall, Berkeley, CA 94720-1776, USA
Email: harrison@cs.berkeley.edu

A.R. Meyer

Massachusetts Institute of Technology, Laboratory for Computer Science, 545 Technology Square, Cambridge, MA 02139, USA
Email: meyer@lcs.mit.edu

R. Milner

University of Cambridge, Computer Laboratory, New Museums Site, Penbrooke Street, Cambridge CB2 3QG, UK
Tel: +44 233 334600
Fax: +44 223 334678

F.D. Preparata

Brown University, Department of Computer Science, P.O. Box 1910, Providence, RI 02912-1910, USA
Email: france@cs.brown.edu

E. Shamir

The Hebrew University, Department of Mathematics, Jerusalem, 91904 Israel
Email: shamir@cs.huji.ac.il

R. Siromoney

Madras Christian College, Department of Mathematics, Tambaram, Madras, 600059, India
Email: ranisiro@satyam.net.in

Editorial Board: Algorithms, Automata, Complexity and Games (TCS-A)

A. Apostolico

Purdue University, Department of Computer Science, 1398 Computer Science Building, West Lafayette, IN 47907-1398, USA
Email: axa@cs.purdue.edu

G. Ausiello

Università di Roma, *La Sapienza*, Dip. Inform. e Sistemistica, via Salaria 113, 00198, Rome, Italy
Email: ausiello@dis.uniroma1.it

K.-Y. Chwa

KAIST, Computer Science Department, P.O. Box 150, 130-650 Cheongryang, Seoul, South Korea
Email: kychwa@jupiter.kaist.ac.kr

M. Crochemore

Université de Marne la Vallée, Institut Gaspard Monge, F-77454 Marne-la-Vallée Cedex 2, France
Email: mac@univ-mlv.fr

F. Cucker

City University of Hong Kong, Department of Mathematics, 83 Tat Chee Avenue, Kowloon, Hong Kong
Email: macucker@sobolev.cityu.edu.hk

J. Díaz

Universidad Politechnico de Barcelona, Facultad d'Informatica, Pau Gargallo 5, 08028 Barcelona, Spain
Email: diaz@lsi.upc.es

A. Del Lungo

Università di Siena, Dipartimento di Matematica, Via del Capitano 15, 53100 Siena, Italy
Email: dellungo@unisi.it

Ding-Zhu Du

University of Minnesota, Department of Computer Science, Minneapolis, MN 55455, USA
Email: dzd@cs.umn.edu

B. Durand

LIM-CMI, 39 rue Joliot-Curie, 13453 Cedex 13 Marseille, France
Email: bruno.durand@cmi.univ-mrs.fr

Z. Esik

University of Szeged, Department of Computer Science, P.O.B. 652, 6720 Szeged, Hungary
Email: esik@inf.u-szeged.hu

A. Fiat

Department of Computer Science, Tel-Aviv University, Ramat Aviv, 69978 Tel Aviv, Israel
Email: fiat@math.tau.ac.il

A.S. Fraenkel

Weizmann Institute of Science, Faculty of Mathematical Science, Dept. of Computer Science and Applied Mathematics,
P.O. Box 26, Rehovot 76100, Israel
Email: fraenkel@wisdom.weizmann.ac.il

E. Goles

Universidad de Chile, Fac. Ciencias Físicas y Matemática, Departamento de Ingeniería Matemática, Casilla 170 correo 3,
Santiago, Chile
Email: egoles@dim.uchile.cl

P. Gritzmann

Technische Universität München, Zentrum Mathematik, Gabelsbergerstrasse 43, D- 80290 München, Germany
Email: gritzman@mathematik.tu-muenchen.de

O.H. Ibarra

University of California at Santa Barbara, Department of Computer Science, Santa Barbara, CA 93106, USA
Email: ibarra@cs.ucsb.edu

G.F. Italiano

Università degli studi di Roma "Tor Vergata", Dipartimento di Informatica, Sistemi e Produzione, Via di Tor Vergata 110,
00133 Roma, Italy
Email: italiano@disp.uniroma2.it

M. Ito

Kyoto Sangyo University, Faculty of Science, Kamigamo-Motoyama, Kita-ku, Kyoto, 603, Japan
Email: ito@ksuvsx0.kyoto-su.ac.jp

M. Jerrum

University of Edinburgh, The King's Building, Department of Computer Science, Mayfield Road, Edinburgh EH9 3JZ, UK
Email: mrj@dcs.ed.ac.uk

D.E. Loeb

Susquehanna Investment Group, 401 City Avenue, Suite 220, Bala Cynwyd, PA 19004 USA
Email: loeb@susq.com

S. Miyano

University of Tokyo, Institute of Medical Science, Human Genome Center, Shirokanedai 4-6-1, Minato-ku, Tokyo 108, Japan
Email: miyano@ims.u-tokyo.ac.jp

M. Nivat

Université de Paris VII, Laboratoire d'Informatique Algorithmique: Fondements et Applications, 10 Avenue des Chardonnerets,
95570 Attainville, France
Email: maurice.nivat@liafa.jussieu.fr

V. Pan

City University of New York, Lehman College, Department of Mathematics and Computer Science,
250 Bedford Park Boulevard West, Bronx, NY 10468-1589, USA
Email: vpan@lcva.lehman.cuny.edu

D. Peleg

Faculty of Mathematics, Department of Computer Science and Applied Mathematics, The Weizman Institute,
Rehovot 76100, Israel
Email: david.peleg@weizmann.ac.il

D. Perrin

Université de Marne la Vallée, Laboratoire d'Informatique - CNRS, Institut Gaspard Monge, F-77454 Marne-la-Vallée Cedex 2,
France
Email: perrin@univ-mlv.fr

H. Proding

University of Witwatersrand, Department of Mathematics, P.O. Wits, 2050 Johannesburg, South Africa
Email: helmut@cam.wits.ac.za

A.A. Razborov

IAS, School of Mathematics, Einstein Drive, Princeton, NJ 08540, USA
Email: razborov@math.ias.edu

R. Rován

Comenius University, MFF UK, Department of Computer Science, Mlynska Dolina, 842 15 Bratislava, Slovakia
Email: rovan@fmph.uniba.sk

G. Rozenberg

Leiden University, Department of Computer Science, P.O. Box 9512, 2300 RA Leiden, The Netherlands
Email: rozenber@wi.leidenuniv.nl

A. Salomaa

Turku Centre for Computer Science, Lemminkäisenkatu 14A, 205 20 Turku, Finland
Email: asalomaa@utu.fi

C. Smith

University of Maryland, Department of Computer Science, A.V. Williams Building, College Park, MD 20742-3255, USA
Email: smith@cs.umd.edu

P. Spirakis

Computer Technology Institute (CTI), P.O. Box 1122, 26110 Patras, Greece, CTI/+30 61 997703 (Univ. Off.)
Email: spirakis@cti.gr

W. Szpankowski

Purdue University, Department of Computer Science, 1398 Computer Science Building, West Lafayette, IN 47907-1398, USA
Email: spa@cs.purdue.edu

H.J. van den Herik

University of Maastricht, Department of Computer Science, P.O. Box 616, 6200 MD Maastricht, The Netherlands
Email: herik@cs.unimaas.nl

O. Watanabe

Tokyo Institute of Technology, Department of Mathematical and Computing Sciences, Meguro-ku, Ookayama, Tokyo 152-8552, Japan
Email: watanabe@is.titech.ac.jp

Editorial Board: Logic, Semantics and Theory of Programming (TCS-B)**P.-L. Curien**

Université Paris 7, PPS-Case 7014, 2 pl. Jussieu, 75251 Paris Cedex 05, France
Email: curien@pps.jussieu.fr

J.W. de Bakker

Mathematics and Computer Science, Department of Computer Science, P.O. Box 4079, 1009 AB Amsterdam, The Netherlands
Email: jaco@cw.nl

J. Gallier

University of Pennsylvania, Moore School of Electrical Engineering, Department of Computer and Information Science, 200 South 33rd Street, Philadelphia, PA 19104-6389, USA
Email: jean@sacl.cis.upenn.edu

R. Gorrieri

University of Bologna, Department of Computer Science, Bologna, Italy
Email: gorrieri@cs.unibo.it

T.A. Henzinger

University of California, Department of Electrical Engineering and Computer Sciences, Berkeley, CA 94720-1770, USA
E-mail: tah@eecs.berkeley.edu

B.P.F. Jacobs

Universiteit of Nijmegen, Department of Computer Science, Toernooiveld 1, 6525 ED Nijmegen, The Netherlands
Email: bart@cs.kun.nl

H. Katsuno

NTT Basic Research Laboratories, 3-1 Morinosato-Wakamiya, Atsugi, Kanagawa 243-01, Japan
Email: katsuno@theory.brl.ntt.jp

A.A. Leticevsky

Institute for Cybernetics, pr. akad. Gluskova 40, 252207 Kiev, Ukraine
Email: let@d105 icyb.kiev.ua

G. Levi

Università di Pisa, Dipartimento di Informatica, Corso Italia 40, 56125 Pisa, Italy
Email: levi@di.unipi.it

Z. Manna

Stanford University, Computer Science Department, Stanford, CA 94305, USA
Email: manna@cs.stanford.edu

M. Mavronicolas

University of Cyprus, Department of Computer Science, P.O. Box 20537, Nicosia CY-1678 Cyprus
Email: mavronic@cs.ucy.ac.cy

M. Mislove

Tulane University, Department of Mathematics, New Orleans, LA 70118, USA
<http://www.math.tulane.edu/~mwm>
Email: mwm@math.tulane.edu

U. Montanari

Università di Pisa, Dipartimento di Informatica, Corso Italia 40, I-56100, Pisa, Italy
Email: ugo@di.unipi.it

M. Nielsen

University of Aarhus, BRICS, Computer Science Department/Bld. 540, Ny Munkegade, DK-8000 Aarhus C, Denmark
Email: mnielsen@brics.dk

M. Nivat

Université de Paris VII, Laboratoire d'Informatique Algorithmique: Fondements et Applications, 10 Avenue des Chardonnerets, 95570 Attainville, France
Email: maurice.nivat@liafa.jussieu.fr

B.C. Pierce

University of Pennsylvania, Department of Computer Science and Information Science, 200 South 33rd Street, Philadelphia, PA 19104 - 6389, USA
Email: bcpierce@cis.upenn.edu

G.D. Plotkin

University of Edinburgh, Department of Computer Science, The King's Buildings, Edinburgh EH9 3JZ, UK
Email: gdp@lfc.ed.ac.uk

G. Rozenberg

Leiden University, Department of Computer Science, P.O. Box 9512, 2300 RA Leiden, The Netherlands
Email: rozenber@wi.leidenuniv.nl

D. Sannella

University of Edinburgh, Laboratory for Foundations of Computer Science, Division of Informatics, King's Building, Mayfield Road, Edinburgh EH9 3JZ, UK
Email: dts@dc.ed.ac.uk

P.S. Thiagarajan

SPIC Science Foundation, School of Mathematics, 92 G.N. Chetty Road, T. Nagar, Madras-600 017, India
Email: pst@ssf.ernet.in

J. Tiuryn

Institute of Informatics, ul. Banacha 2, 00-193 Warsaw, Poland
Email: tiuryn@mimuw.edu.pl

J.D. Ullman

Stanford University, Department of Computer Science, Building 460, Stanford, CA 94305-2140, USA
Email: ullman@cs.stanford.edu

M. Wirsing

Ludwig-Maximilians-Universität, Institut für Mathematik, Oettingenstrasse 67, D-80536 München, Germany
Email: wirsing@informatik.uni-muenchen.de

Editorial Board: Electronic Notes in Theoretical Computer Science**M.W. Mislove** (Managing Editor)

Tulane University, Department of Mathematics, New Orleans, LA 70118, USA
Tel: +1 (504) 862 3441
Fax: +1 (504) 865 5063
Email: mwm@math.tulane.edu

S. Arora

Princeton University, Department of Computer Science, 35 Olden St. Princeton NJ 08544, UK
<http://www.cs.princeton.edu/~arora>
Email: arora@cs.princeton.edu

G. Ausiello

Università di Roma, *La Sapienza*, Dip. Inform. e Sistemistica, via Salaria 113, 00198, Rome, Italy
Email: ausiello@dis.uniroma1.it

S. Brookes

Carnegie-Mellon University, School of Computer Science, 5000 Forbes Avenue, Pittsburgh, PA 15213-3890, USA
Email: brookes@cs.cmu.edu

R. Cleaveland

SUNY at Stony Brook, Department of Computer Science, Stony Brook, NY 11794-4400, USA
<http://www.cs.sunysb.edu/~rance>
Email: rance@cs.sunysb.edu

P. Crescenzi

Università degli Studi di Firenze, Dipartimento di Sistemi e Informatica, Via C. Lombroso 6/17, 50134 Firenze, Italy
Email: piluc@dsi.unifi.it

V. Diekert

Universität Stuttgart, Institut für Informatik, Breitwiesenstrasse 20-22, D-70565 Stuttgart, Germany
Email: diekert@informatik.unistuttgart.de

A. Fiat

Tel Aviv University, School of Mathematical Sciences, Department of Computer Science, Tel Aviv, Israel
<http://www.math.tau.ac.il/~fiat>
Email: fiat@math.tau.ac.il/~fiat

A. Jung

The University of Birmingham, School of Computer Science, Edgbaston, Birmingham, B15 2TT, UK
Email: A.Jung@cs.bham.ac.uk

E. Moggi

University of Genova, Department of Mathematics, Via. L.B. Alberti 4, 16132, Genova, Italy
Email: moggi@disi.unige.it

M. Nivat

Université de Paris VII, Laboratoire d'Informatique Algorithmique: Fondements et Applications, 10 Avenue des Chardonnerets, 95570 Attainville, France
Email: maurice.nivat@liafa.jussieu.fr

C. Palamidessi

The Pennsylvania State University, Department of Computer Science and Engineering, 325 Pond Laboratory, University Park, PA 16802-6106 USA
<http://www.cse.psu.edu/~catuscia>
Email: catuscia@cse.psu.edu

J.J.M.M. Rutten

CWI, P.O. Box 94079, 1090 GB Amsterdam, The Netherlands
Email: jan.rutten@cwi.nl

D. Sannella

University of Edinburgh, Laboratory for Foundations of Computer Science, Division of Informatics, King's Building, Mayfield Road, Edinburgh EH9 3JZ, UK
Email: dts@dcs.ed.ac.uk

M. Vardi

Rice University, Department of Computer Science, Mail Stop 132, 6100 S. Main Street, Houston, TX 77005-1892, USA
Email: vardi@cs.rice.edu

R.F. Wachter

Office of Naval Research, Computer and Information Science Div., Code 311, 800 North Quincy Street, Arlington, VA 22217-5660, USA
Email: wachter@itd.nrl.navy.mil